

Syllabus for Chemistry 68, Summer 2017

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Office Hours: by appointment

Required Materials

- *Calculations in Chemistry: An Introduction*, 2nd ed., Dahm, Donald J. and Nelson, Eric J., W.W. Norton, © 2017. ISBN-13: 978-0-393-61436-7.
- *Laboratory Manual for Chemistry 60/68*, Department of Chemistry, Los Angeles Valley College, © 2015. Download from:
- http://www.ars-chemia.net/Classes/68/Manual/68_manual_index.htm
- Scientific Calculator (it must be capable of scientific notation and logarithms)
- Safety Goggles (they must be the type that completely covers your eyes with the elastic band, *no shop goggles!*).



Student Learning Outcomes

1. Solve basic chemistry problems in preparation for solving the more complex problems of General Chemistry.
2. Perform basic chemical calculations encountered in the laboratory

NOTE: If you stop attending a class (or wish to drop a class) on or before July 22, 2017 for Summer Session 2017, you must drop the class yourself - officially - over the Internet. Failure to do so may result in a grade of "F" in that class.

If you are a student with a disability requiring classroom accommodations, and have not contacted SSD, do so in a timely manner. SSD is in the Student Services Annex, Room 175 or call SSD at (818) 947-2681 or TTD (818) 947-2680 to meet with a SSD counselor. If SSD has already sent the memo to instructor confirming accommodations required by student for this class, please meet with me to discuss arrangements.

Course grading

There will be no extra credit given! The time to start worrying about your grade is now, not in the 7th week of the term. The grading in this course is on a straight scale.

90% - 100%	A	60% - 69.9999...%	D
80% - 89.9999...%	B	<60%	F
70% - 79.9999...%	C		

Any or none of these borders may change at the end of the term at my discretion. **There will be no curve!** First, there are not enough students to have a curve; you need at least 150 students to have any type of bell curve. Second, your grade in this class should *not* depend on the students who are in the class with you.

Distribution of points in the course

Exams are worth 100 points each for a total of 200 points. Labs are worth 310 points. The final exam is worth 200 points. There are 710 points in the class. There will be **NO** make-up exams or laboratory reports. If you miss an exam or experiment, you will lose those points.

If 50% of your final exam score is greater than your lowest exam score, the lowest exam score will be replaced by 50% of your final exam. Exam keys will be made available after each exam (except for the final exam) at the web site (see above). Current points on each assignment, point totals, and percentages will be emailed to you after each exam.

Final Exam

The final exam for this class is on the last day of class. No make-up finals will be given after this date. **You should start studying for your final exam today!**

Cheating

Cheating, representing someone else's work as your own or using materials or references that are not allowed, will not be tolerated. Students caught cheating will receive a zero for that assignment. If you feel the need to cheat, please do not take this class. Please refer to the Student Code of Conduct in the college catalog.

Attendance

You are expected to attend all class sessions. If you miss more than the equivalent of a week of classes (2 class periods in the summer session) without a valid excuse (illness, etc.) you will be excluded from the class. Be on time for lecture and laboratory. The classroom and laboratory door will be closed and locked 10 minutes after the beginning of the lecture or laboratory section. You will not be admitted after the doors are locked.

Cell Phones

No cell phones will be on while class is in session. If your cell phone rings during class, you will be asked to leave the class and this will count towards the week of absences as described above.

What is expected of you...

- This is a college level course. As such, it requires 2-3 hours of work outside of class for every hour in class. This class meets approximately 20 hours a week so you should study at least 40 to 60 hours a week outside of class (this is a minimum, you will require more time if you are having difficulty with the material).
- I expect the students in my class to put forth the effort required for them to learn the material. I am here to help you learn the material. I cannot and will not learn it for you.
- I expect you to ask me any questions you have or to further explain what it is you don't understand.
- I expect you to use the office hours to your advantage. I have office hours scheduled (see the first page) so that you can have the opportunity to ask me questions outside of class. You can also ask questions during lab periods or via e-mail.
- I expect you to treat me with respect.
- I expect you to follow the rules set forth in this class and on this campus.

What you can expect from me...

- You can expect me to do the best I can to explain the material to you. If you do not understand it the way I am presenting it, challenge me to use my creativity to explain it in a different way so that you do understand it.
- You can expect me to be clear in what my grading policies are. They are laid out for you in this syllabus.
- You can expect me to get assignments graded and back to you in a timely manner. I will try to get them back to you within a week.
- You can expect me to be fair in grading your assignments. If you think something is unfair, ask me about it and I will explain my reasoning to you.
- You can expect me to treat you with respect. If I appear to be disrespectful to you, let me know so I can rectify the problem.

Laboratory Work

The laboratory work for this class is worth a total of 310 points of your overall grade (see laboratory schedule above). In the laboratory, when any laboratory work is being performed, everyone is expected to wear eye protection. If I must remind anyone of this rule more than twice in a laboratory period, they will be removed from the laboratory with the loss of points for that lab. ***You are expected to come to laboratory prepared.*** This means that you are to have read the introduction to the experiment and the directions for the experiment. If you have any questions about the experiment, feel free to ask me. ***Do not ask me what you are supposed to do in the experiment.*** That is why you have a laboratory manual. I will, however, answer any questions clarifying the instructions in the laboratory manual. Laboratory reports are due at the beginning of the next laboratory period when you enter the laboratory. No late laboratory reports will be accepted.

The capacity to learn is a gift. The ability to learn is a skill. The willingness to learn is a choice.

Lecture and Laboratory Schedule for Chemistry 68, Summer 2017

Week of		Monday	Tuesday	Wednesday	Thursday
12 June	Lecture	Chapter 1 & 2	Chapter 2 & 3	Chapter 3 & 4	Chapter 4
	Lab	Orientation	Math & the Calculator (10 points)	Safety & Check-In (5 points)	
19 June	Lecture	Chapter 5	Chapter 6	Chapter 6	Chapter 7
	Lab	Dimensional Analysis Study Questions (10 points) Last Day to Add & Last Day to Drop w/o a "W"	Measurement: L,V,T (day 1)	Measurement: L,V,T (day 2) (20 points)	Measurement: V,M,D (day 1)
26 June	Lecture	Chapter 7	Chapter 8	Exam 1 (Chs. 1—7)	Chapter 8
	Lab	Measurement: V,M,D (day 2) (20 points)	Chemical Nomenclature (10 points)	Demo Day	Mole Display (15 points)
3 July	Lecture	Chapter 9	<i>Holiday No class</i>	Chapter 8	Chapter 10
	Lab	Chemical Equation Study Questions (10 points)		Chemical Reactions Problems (10 points)	Graphs (20 points)
10 July	Lecture	Chapter 11	Chapter 12	Chapter 12	Chapter 13
	Lab	Calculation of Empirical Formulas (10 points)	Flame Tests (10 points)	Light & Color (10 points)	Solutions (25 points)
17 July	Lecture	Chapter 13	Chapter 14	Chapter 16/17	Exam 2 (Chs. 8—14)
	Lab	Observation & Critical Thinking (15 points)	Precipitation Reactions and Equations (10 points)	Concentration Study Questions (10 points)	Demo Day 22nd Last Day to Drop with a "W"
24 July	Lecture	Chapter 16/17	Chapter 18	Chapter 18	Chapter 19
	Lab	Boyle's Law (15 points)	Gay Lussac's Law (20 points)	Heat (day 1)	Heat (day 2) (20 points)
31 July	Lecture	Chapter 19	Chapter 19	Review	Final Exam
	Lab	Electron Dot Structures (10 points)	Molecular Models (10 points)	Check Out (5 points) & Final Review Problems (10 points)	None

Declaration of Understanding

I declare that I have read the syllabus for this class and understand the rules of this class. I also understand that any failure on my part to follow the rules of this class will result in the above-mentioned penalties.

Print Name	Sign Name	
	Chemistry 68	
Date	Class	Section #
E-mail address (required in order to receive grade updates)		

** Failure to complete and turn in this page by 19 June 2017 will result in a deduction of 20 points from your overall grade. These points are forfeit and cannot be made up later.
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